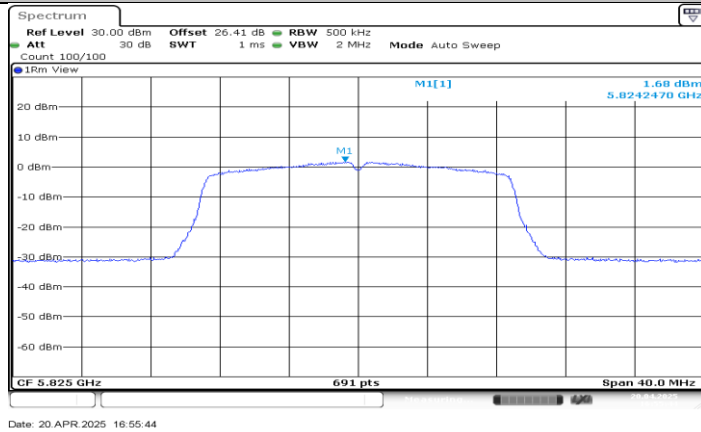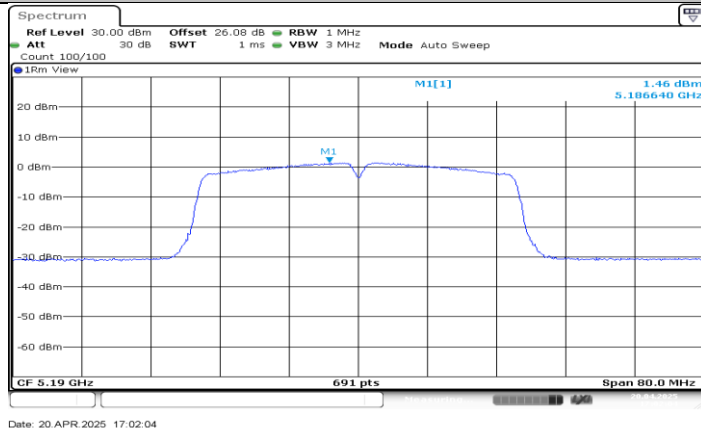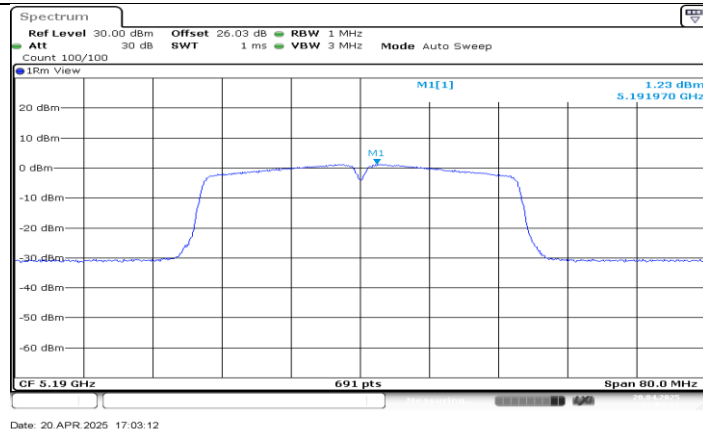11N20MIMO_Ant0_5825
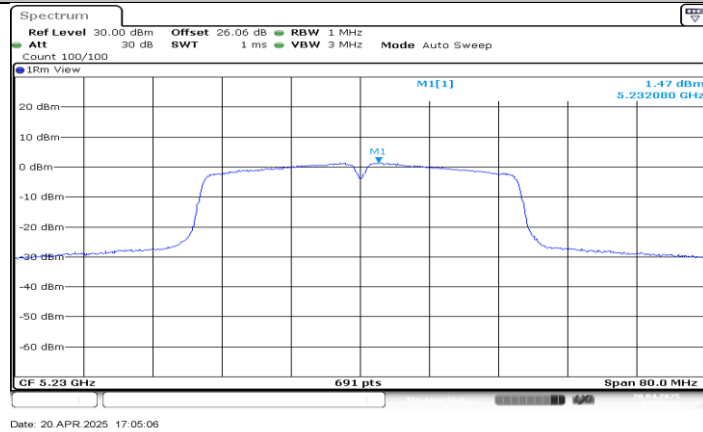

11N20MIMO_Ant1_5825

11N40MIMO_Ant0_5190

11N40MIMO_Ant1_5190

11N40MIMO_Ant0_5230

11N40MIMO_Ant1_5230

11N40MIMO_Ant0_5270

11N40MIMO_Ant1_5270

11N40MIMO_Ant0_5310

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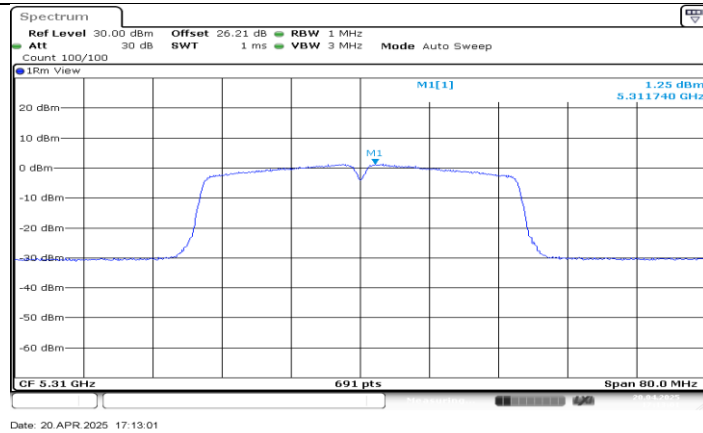
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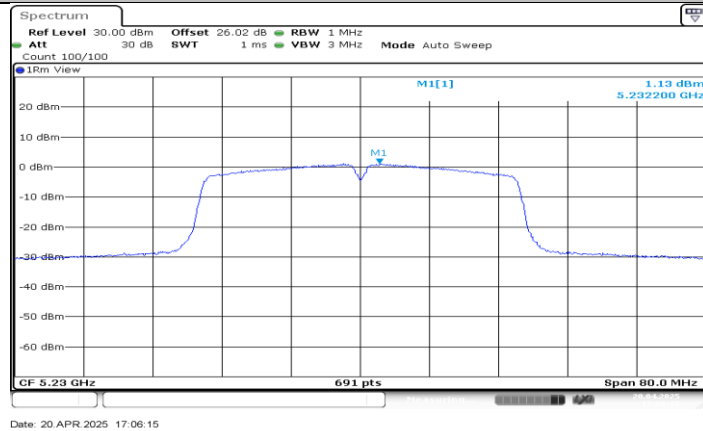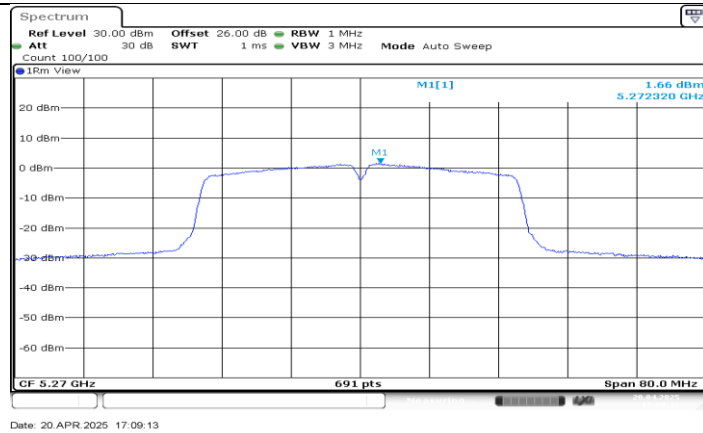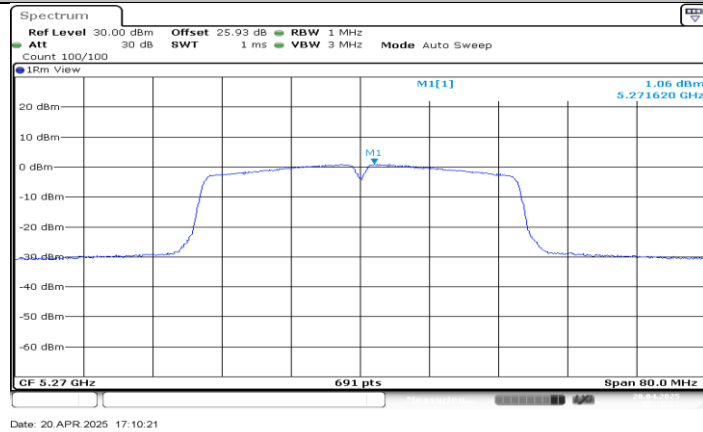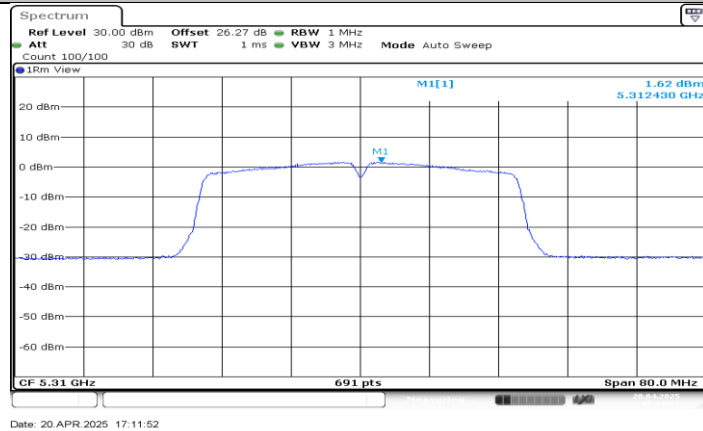

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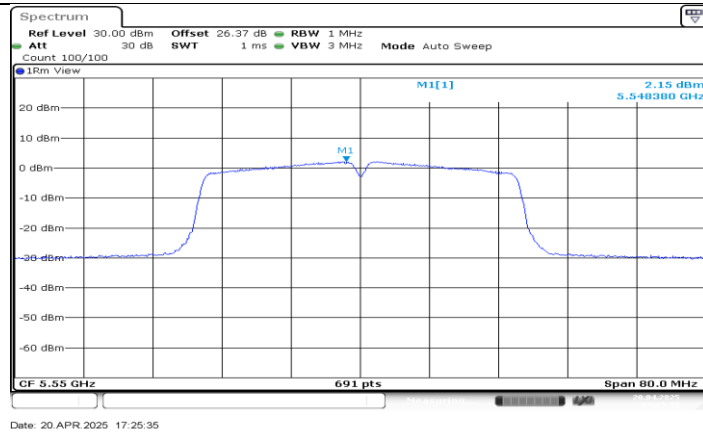
11N40MIMO_Ant0_5550

11N40MIMO_Ant1_5550

11N40MIMO_Ant0_5670

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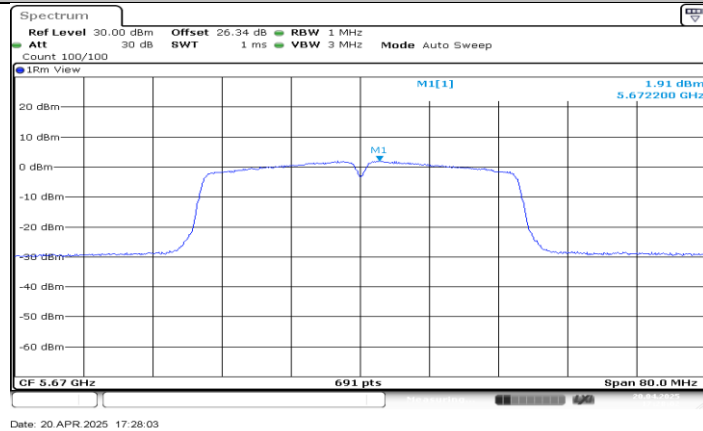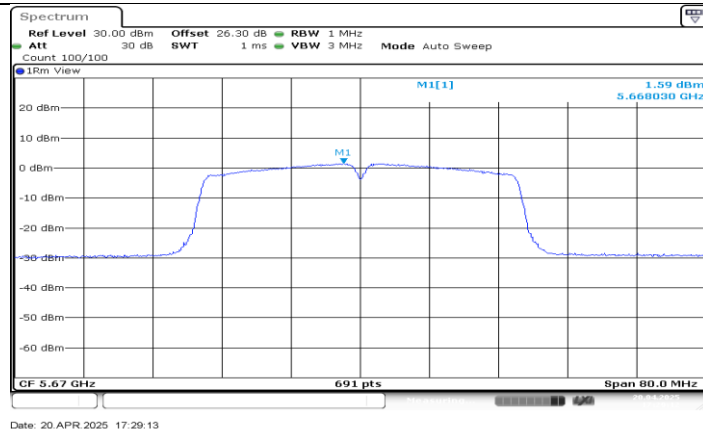
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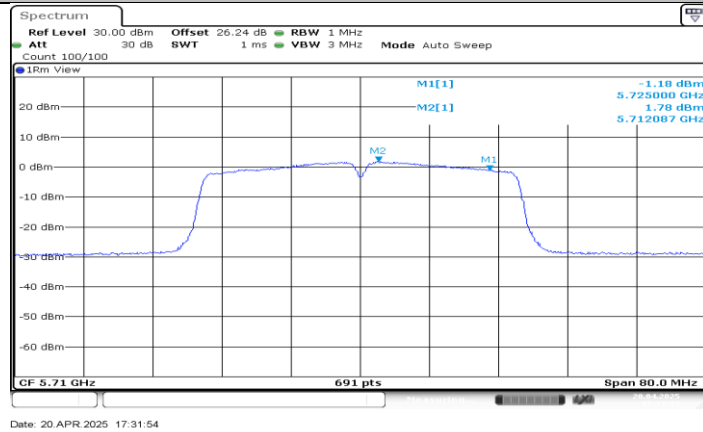
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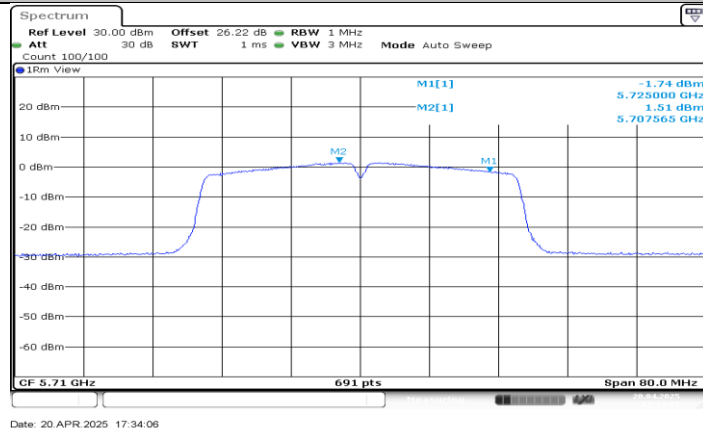
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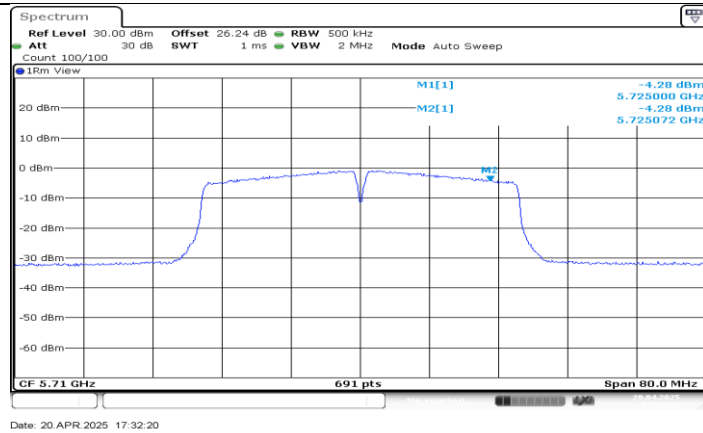
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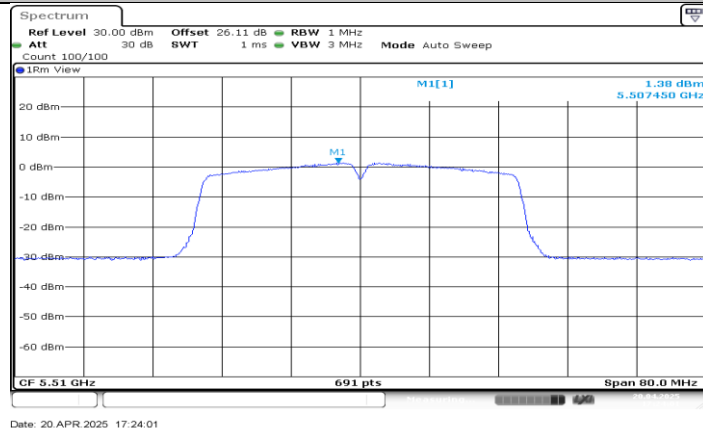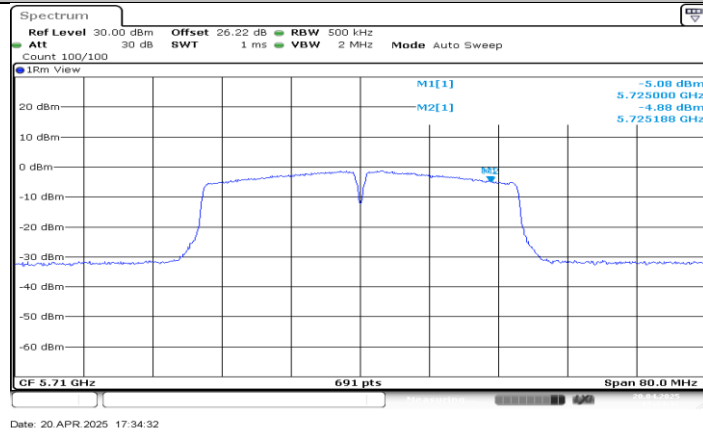
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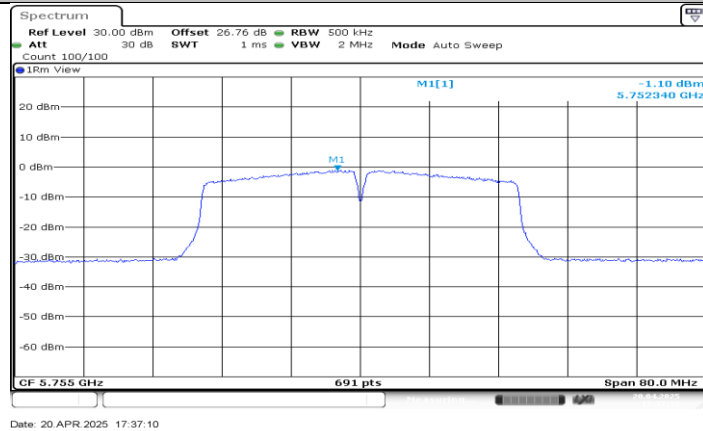
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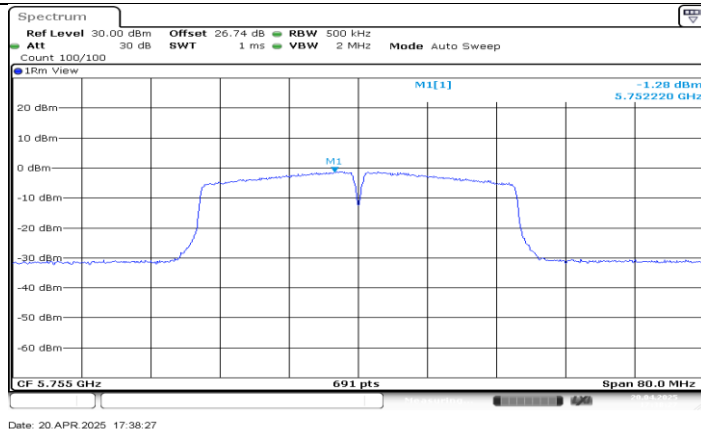
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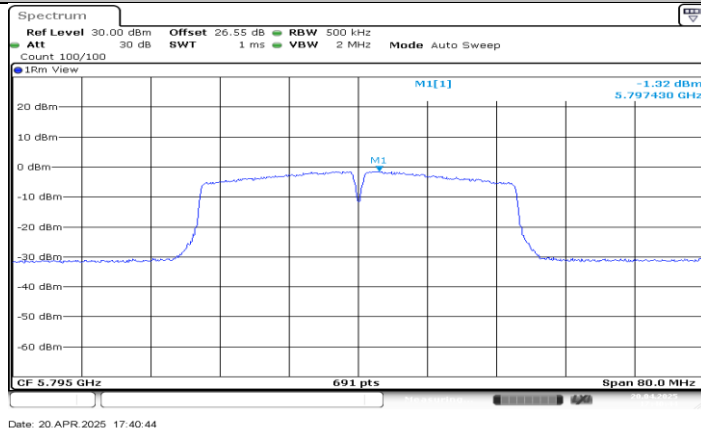
11N40MIMO_Ant0_5795
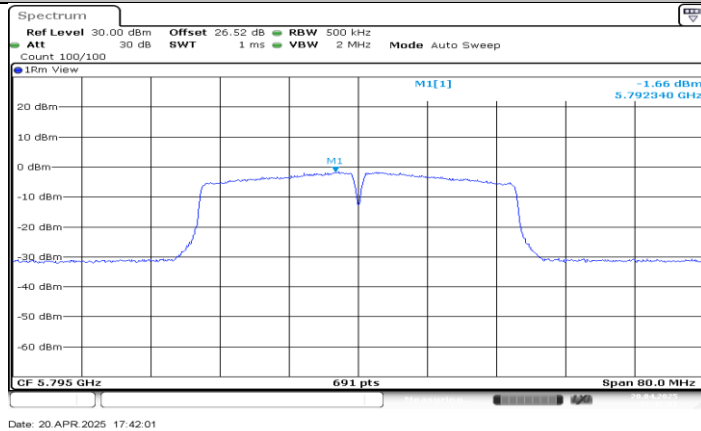
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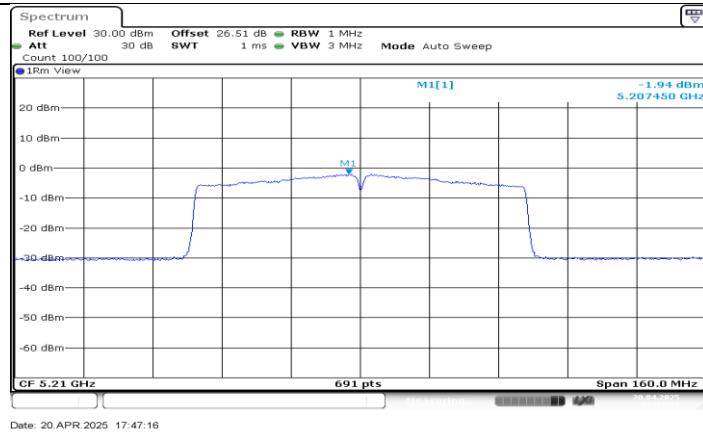
11AC80MIMO_Ant0_5210

11AC80MIMO_Ant1_5210
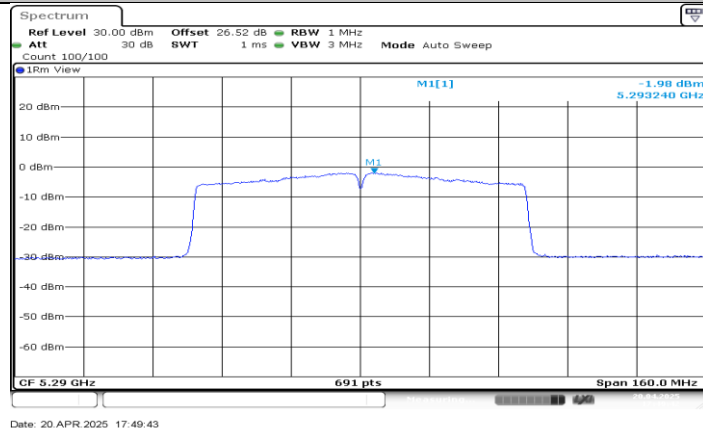
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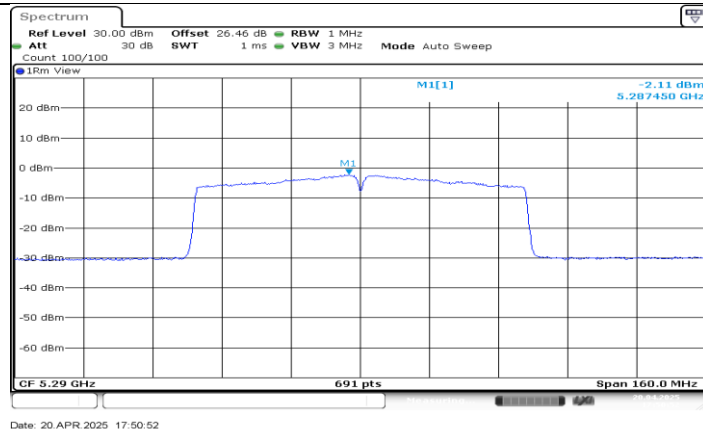
11AC80MIMO_Ant1_5290

11AC80MIMO_Ant0_5530

11AC80MIMO_Ant1_5530

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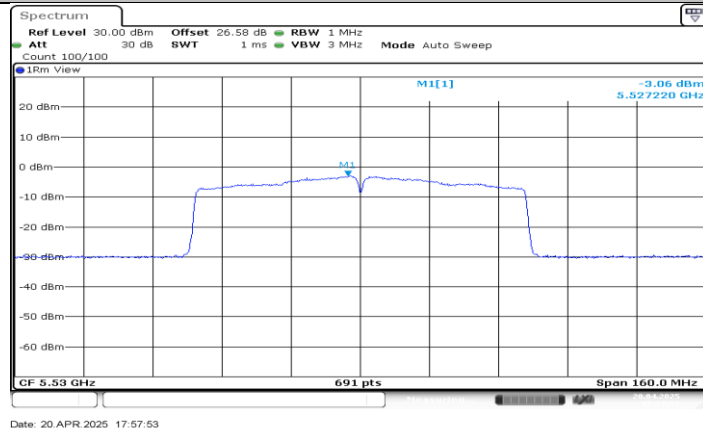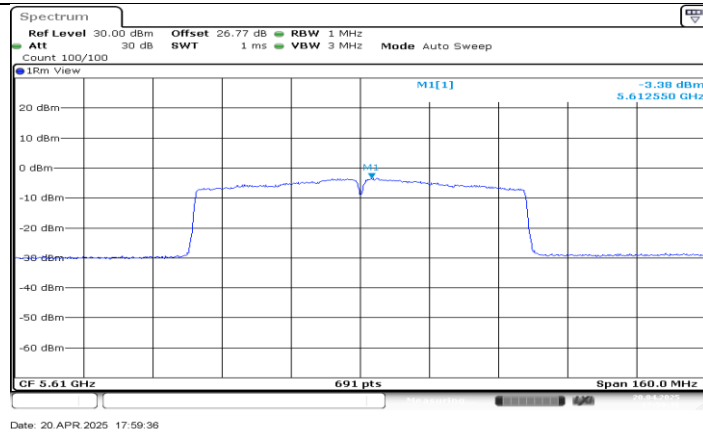
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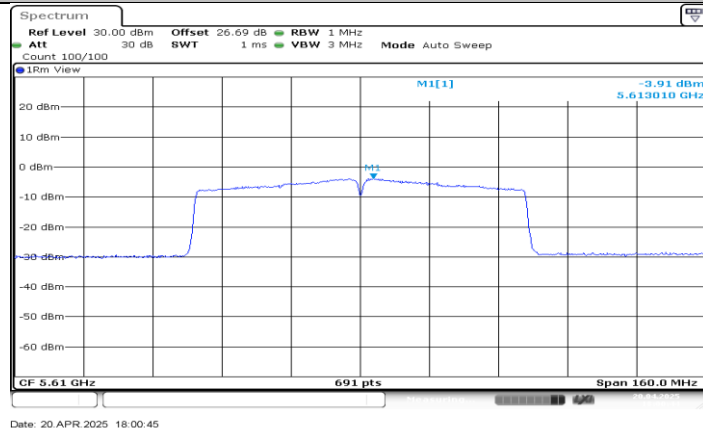
11AC80MIMO_Ant1_5610

11AC80MIMO_Ant0_5690_UNII-2C

Date: 20.APR.2025 18:06:04

11AC80MIMO_Ant1_5690_UNII-2C

Date: 20.APR.2025 18:04:17

11AC80MIMO_Ant0_5690_UNII-3

Date: 20.APR.2025 18:06:30

11AC80MIMO_Ant1_5690_UNII-3

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11AC80MIMO_Ant0_5775

11AC80MIMO_Ant1_5775

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11.6. APPENDIX F: FREQUENCY STABILITY
11.6.1. Test Result

		*Frequency Error vs. Voltage							
		*802.11a:5200MHz							
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9871	-2.49	5199.9797	-3.90	5199.9757	-4.67	5199.9840	-3.07
TN	VN	5199.9853	-2.83	5200.0231	4.43	5200.0016	0.30	5200.0170	3.26
TN	VH	5200.0158	3.05	5199.9917	-1.60	5199.9830	-3.27	5199.9904	-1.85
		*Frequency Error vs. Temperature							
		*802.11a:5200MHz							
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5199.9834	-3.19	5199.9934	-1.26	5200.0069	1.33	5199.9757	-4.68
60	VN	5200.0194	3.73	5199.9774	-4.34	5199.9862	-2.65	5199.9969	-0.60
50	VN	5200.0214	4.11	5200.0107	2.06	5200.0178	3.42	5199.9978	-0.43
40	VN	5199.9849	-2.91	5200.0229	4.41	5200.0187	3.59	5200.0034	0.65
30	VN	5200.0071	1.36	5199.9917	-1.60	5200.0209	4.02	5200.0233	4.48
20	VN	5199.9782	-4.20	5199.9802	-3.81	5199.9799	-3.87	5199.9949	-0.97
10	VN	5200.0037	0.71	5199.9923	-1.48	5199.9931	-1.33	5200.0050	0.95
0	VN	5199.9879	-2.33	5199.9809	-3.67	5200.0051	0.99	5199.9787	-4.09

Note:
1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

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11.7. APPENDIX G: DUTY CYCLE
11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.38	1.43	0.9650	96.50	0.15	0.72	1
11N20MIMO	1.29	1.33	0.9699	96.99	0.13	0.78	1
11N40MIMO	0.64	0.68	0.9412	94.12	0.26	1.56	2
11AC80MIMO	0.32	0.37	0.8649	86.49	0.63	3.13	4

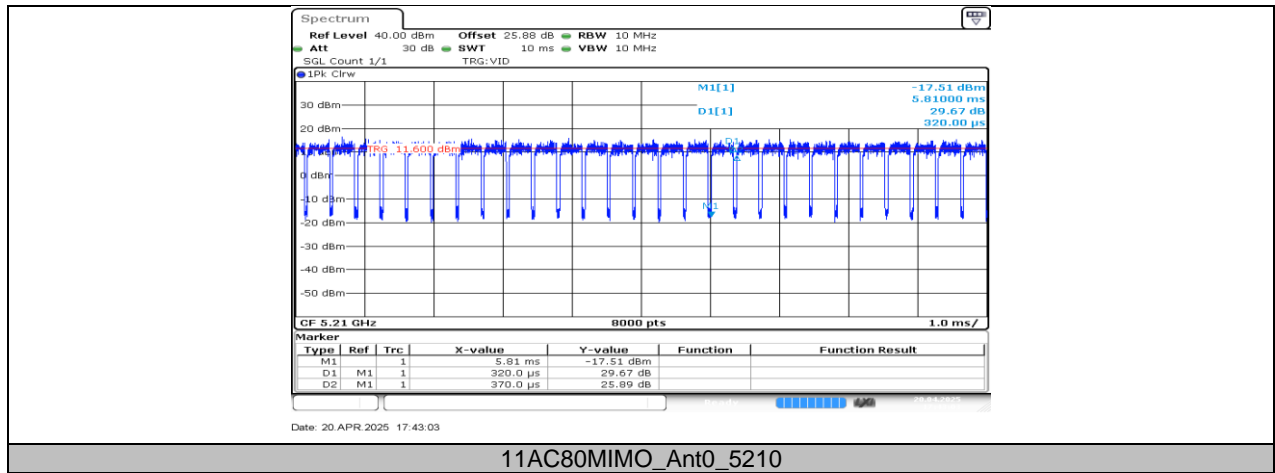Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

11A_Ant0_5180

11N20MIMO_Ant0_5180

11N40MIMO_Ant0_5190

11AC80MIMO_Ant0_5210

11.8. APPENDIX H: DFS
11.8.1. Calibration

Mode	Frequency (MHz)	Type	Result	Verdict
11AC80MIMO	5530	DFS_FCC_T0	See test Graph	Pass

Test Graphs
5530MHz DFS_FCC_T0

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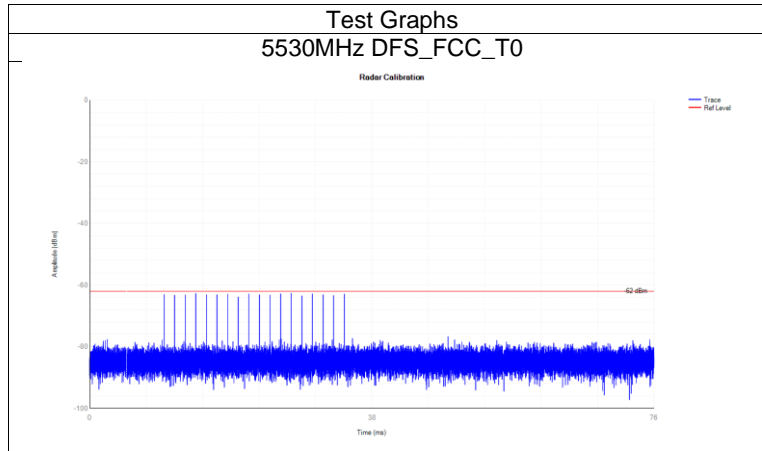
11.8.2. Shutdown Time

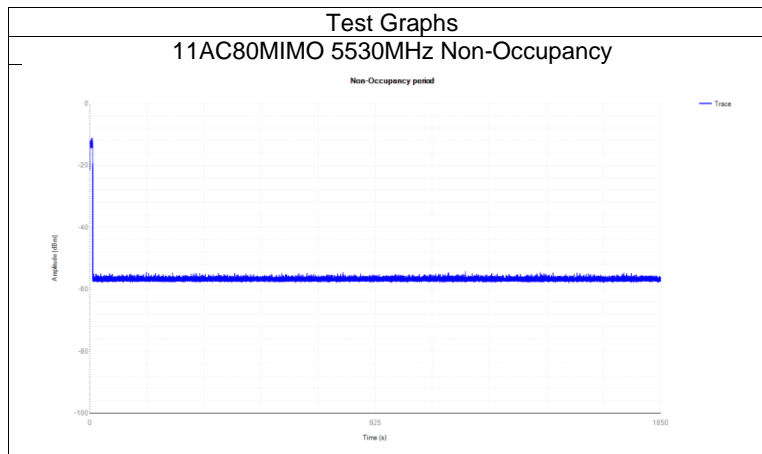| Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
11AC80MIMO	5530	0.498	10	0.024	0.26	0.004	0.06	Pass

Test Graphs
11AC80MIMO 5530MHz Shutdown

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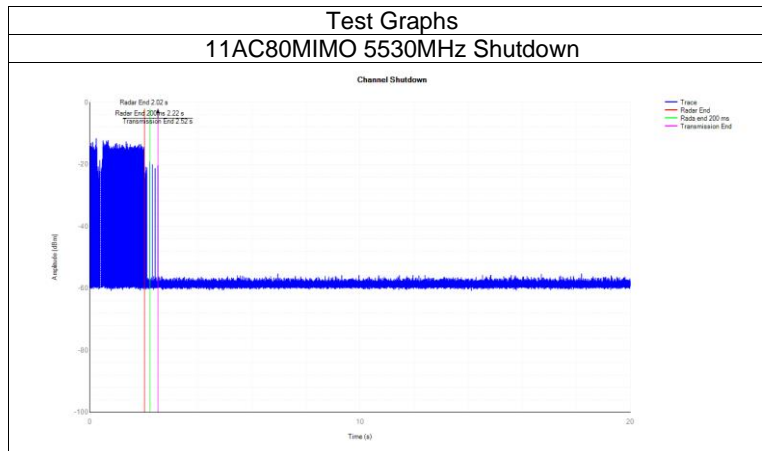
11.8.3. Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
11AC80MIMO	5530	See test Graph	Pass

Test Graphs
11AC80MIMO 5530MHz Non-Occupancy

END OF REPORT